Municipality/Organization: **City of Portsmouth**

EPA NPDES Permit Number: **NHR041027**

Annual Report Number & Reporting Period: **January 2006 – December 2006**

NPDES PII Small MS4 General Permit Annual Report

Part I. General Information

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Certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature:

Printed Name: David Allen, P.E.

Title: Public Works Deputy Director

Date: 4/25/07

STATE OF NEW HAMPSHIRE
DAVID S. ALLEN No. 7804 LICENSED
PROFESSIONAL ENGINEER

Part II. Self Assessment

On July 28, 2003, the City of Portsmouth, New Hampshire, submitted a Notice of Intent (NOI) to EPA as required by the NPDES Storm Water General Permit issued for small MS4 municipalities by EPA Region. Portsmouth's NOI summarized the steps Portsmouth would take to meet the requirements of the general permit, including compliance with water quality standards. In 2004, the Conservation Law Foundation (CLF) commented on Portsmouth's NOI, identifying several areas in which it felt that requirements of the Clean Water Act were not met.

The City of Portsmouth too into account the issues raised by CLF as part of the required self-assessment, which it has completed. Further, the City resubmitted an updated NOI, September 14, 2005. The City has determined that the municipality is in compliance with all permit conditions, with the possible exception of the following provisions:

Part I. C.

1. The permittee must determine whether storm water discharges from any part of the MS4 contribute, either directly or indirectly, to a 303(d) listed water body.

2. The storm water management program must include a section describing how the program will control the discharge of the pollutants of concern and ensure that the discharges will not cause an instream exceedance of the water quality standards. This discussion must specifically identify control measures and BMPs that will collectively control the discharge of the pollutant(s) of concern. Pollutant(s) of concern refer to the pollutant identified as causing the impairment.

Part I. D.

1. Determine whether the approved TMDL is for a pollutant likely to be found in storm water discharges from the MS4.

2. Determine whether the TMDL includes a pollutant waste load allocation (WLA), BMP recommendations or other performance requirements for storm water discharges. This storm water WLA may be expressed in the TMDL as a gross allotment for the impaired water body.

The City remains committed to resolving whether these conditions have been met and believes that critical data is needed which would, among other things, help establish whether certain water bodies are in fact impaired and if so for which pollutants.

2006 ANNUAL REPORT – YEAR 4 OF THE PERMIT
BEST MANAGEMENT PRACTICES OBJECTIVES & STATUS REPORT

1. Public Education and Outreach

The Permittee must implement a public education program to distribute educational material to the community. The public education program must provide information concerning the impact of storm water discharges on water bodies. It must address steps and/or activities that the public can take to reduce the pollutants in storm water runoff.

BMP / ID Responsible Party	Measurable Goal	Progress on Goal(s) Permit Year 4	Planned Activity Permit Year 5
1.A. Develop and distribute/post a minimum of 2,000 impressions via print, local TV, local radio or other appropriate media *during the life of the permit.* DPW	Storm Water information on the web. # of hits.	In April 2006 created new web pages to the storm water web page site. Key sites to visit include: What is SW Pollution? What is the City Doing About SW Pollution? What Can You Do About SW pollution? An estimated number of 2,000 visits were registered on the storm water website. In June 2006, the Health Dept updated its website to include notice for summer events, food vending requirements: "All gray water must be disposed of properly, NOT dumped into the storm drains or on the ground."	Create new and/or revise storm water web pages to educate public based on information gaps identified from the storm water survey. (See 1.A below for details of survey.)
	Produce and air on local TV a public service announcement/video on storm water and what the public can do to prevent storm water pollution impacts. (# of times video was aired.)	A joint venture with the Seacoast Storm-water Coalition created the storm-water video, *There is No Away*. Beginning February 2004, and for the first 2 years of the permit, the video will be aired on the government channel every Saturday evening. The video was aired 92 times. The video continued to be aired through the Fall of 2006. In addition, a link is provided on the City web to view the video for those who have Quicktime, Windows Media Player or MEPG-1. The video was aired on the NH Public TV 10/18/2006.	The video will be used as opportunities are made available and as appropriate. No further airing of the video are scheduled in 2007 as the video was running for the past 4 years.

BMP / ID Responsible Party	Measurable Goal	Progress on Goal(s) Permit Year 4	Planned Activity Permit Year 5
1.A. Develop and distribute/post a minimum of 2,000 impressions via print, local TV, local radio or other appropriate media *during the life of the permit.* DPW	Produce education material for distribution. # of pamphlets.	*The Solution to Storm Water Pollution* pamphlets are distributed during HHW Collection events and other appropriate events. Events held May '06 & October '06 – 177 cars and 165 cars, respectively, attended event(s) and received a pamphlet. These pamphlets are also in the reception area of DPW.	Continue to distribute pamphlets at HHW events.
		Conducted baseline survey, July and August 2006, to determine actual public awareness and understanding of storm water pollution issues. 2,250 households anonymously surveyed (distributed through the water bill). Based on survey results, DPW will identify what message to get out.	Convene a forum to analyze results of survey to focus education /"messages" to be developed for 2007 to increase storm water pollution awareness.
		Health Dept developed Best Management Practices (BMPs) on keeping fat, oils and grease out of sewer system. Distributed along with personalized correspondence to 250 food service facilities in Portsmouth. (Fats, oils and grease can cause a back up in the sewer system, which would overflow up through the manhole, into the streets and into the storm water system.)	Additional correspondence will be distributed to food service facilities. A waste water ordinance has been prepared to go before City Council. The ordinance includes increased responsibility in areas of fats, oils and grease, i.e. fines. The ordinance will get three public readings.

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1.B. Educate local residents participating in local government; groups; organizations. DPW	# of public events storm water issues are presented and # of attendees.	Presentation made in conjunction with the Water Guardians of NH to home schoolers at Barnes and Noble, May 25, 2006	Objective targeted for years 1 and 2 of permit. Will continue to make presentations as opportunities present. 6/2007 DPW employee to present at NEWEA Spring Meeting regarding recent developments in Storm Water management. 6/2007 DPW and Water Guardians of NH to set up a booth for Market Square day providing demonstration and other educational information regarding storm water, ground water and recycling.
1. C. Educate the general public and public school children about the storm water / sewer system, so that they understand the town water management systems and pollution issues DPW	# of presentation and # of attendees.	The Water Guardians of NH presented to Portsmouth Middle School, Jan 16 & May 25, 2006; and 4X the next school year (in other words a new group of school children) between September and December. Presentation was also given at Dondero elementary school May 26, 2006	DPW will create a storm water program to take to the public schools. Letters will be sent to each school's principal inviting them to take advantage of the free demonstration. Will continue to make presentations as opportunities present.
		Include storm water educational "sound – bite" in e-newsletter. The City did not begin including this info in the e-letter until the baseline survey was conducted and complete so as not to skew the survey results. First "sound-bite" included in the e-newsletter on 12/12/06.	Continue to include storm water information in e-newsletter. City to produce and distribute another DPW / Storm water newsletter.

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1.D. Collaborate with public and private entities to maximize efforts of reducing contaminants from Portsmouth waterways. City Hall	# of initiatives the City either leads, supports, is involved with or has an employee acting as a representative on a committee ensuring the inclusion/addressing of storm water issues. Either bringing the information to the forum or obtaining information for the benefit of the City and/or City projects.	Peter Britz, employee of the Planning Dept at City Hall, serves as a member on the Hodgson Brook Watershed Advisory Board meeting quarterly throughout the year. Primary objectives of the Board is restoration efforts; water quality monitoring; in-put to projects on the Hodgson Brook Watershed; implement restoration projects. Most recently in 2006 the Board worked with Developers planning to redevelop the Meadow Brook Inn at the Portsmouth traffic circle. The Board was able to encourage the Developer to incorporate low impact and water quality into the design. The Developers are currently going before the Conservation Commission including BMPs in the site design.	Peter Britz continues to be on the Board and support their efforts.
		Coordinated with the Blue Ocean Society to clean litter on Pierce Island. On September 9, 2006, 36 volunteers organized and took part in cleaning up over 530 pounds of debris on Pierce Island.	Pierce Island clean-up scheduled in honor of Earth Day, April 22, 2007. Continue assisting in clean-up activities @ key locations throughout the City.
		Life Share Community clean-up project at South Mill Pond: June 5, 2006 July 6 and 31, 2006 August 30, 2006 September 25, 2006 October 23, 2006 November 20, 2006	Continue assisting in clean-up activities @ key locations throughout the City.

BMP / ID Responsible Party	Measurable Goal	Progress on Goal(s) Permit Year 4	Planned Activity Permit Year 5
1.D. Collaborate with public and private entities to maximize efforts of reducing contaminants from Portsmouth waterways. City Hall		Deputy Director is a member of the UNH CSTEV Board, whose function is to review the application and results of current storm water pollution prevention technology. The Board consists of industry reps, state and federal regulators, academic scientists and engineers, and local gov officials. The Board met twice in '06. Data from UNH Storm Water Center project was collected from Sept 2004 through August 2005. A report, "2005 Data Report" was compiled, published and distributed in 2006.	Continue to have dialog with CSTEV and additional developments of their storm water project, in order to keep abreast of latest technology; most effective means; consider applications throughout Portsmouth.

2. Public Involvement and Participation

The Permittee must provide opportunity for the public to participate in the development, implementation and reviews of storm water management program(s).

BMP / ID Responsible Party	Measurable Goal	Progress on Goal(s) Permit Year 4	Planned Activity Permit Year 5
2.A. The City will involve stakeholder groups, including local governments, businesses, and citizens in making decisions about storm water management priorities and programs throughout the City. City Hall/DPW	Develop the storm-water pollution prevention programs and City ordinance.	This is being done with a phased in approach. First the City completed the City Master Plan Feb 2005, which involved wide participation of Portsmouth residents. As a result, the City Master Plan delegates that the Technical Advisory Committee (TAC) actively review storm water conveyances and treatment systems as part of the regularly scheduled meetings for site review. I.e. Storm water issues were thoroughly discussed and taken into consideration with the Home Dept project – see TAC and Planning Board meeting minutes of April 2006. A Storm Water ordinance has been drafted. The City hired a consulting firm to conduct a review of the City's storm water programs. The final product will be a Storm Water Master Plan providing guidance.	TAC to continue to include storm water in site reviews. A final draft of the storm water ordinance to be presented to City Council Summer '07. Three public readings are required by the City's charter. Intent is to have ordinance presented to Council for deliberation no later than Fall 2007. Progress on ordinance detailed under section 3 C. below. The Storm Water Master Plan complete no later than Fall 2007.

BMP / ID Responsible Party	Measurable Goal	Progress on Goal(s) Permit Year 4	Planned Activity Permit Year 5
2.A. The City will involve stakeholder groups, including local governments, businesses, and citizens in making decisions about storm water management priorities and programs throughout the City. City Hall/DPW	Annual presentation to City Council on storm water issues. Presentations will be made during official meetings, which are open to public attendance and televised on the gov. TV.	New measurable goal identified and added to the annual report	Make a presentation to Council regarding storm water (i.e. City's compliance status and programs, regulatory issues, etc.)
	Collaborate with public and private entities to increase awareness, as well as improve on design and implementation of storm water treatment issues related to building and site development design and construction throughout the City.	DPW and City Hall staff are trained and familiar with storm water issues. 4 DPW employees and 2 City Hall employees are representatives on the Technical Advisory Committee (TAC). TAC is responsible to review plans and make recommendations to the Planning Board. Recommendations include appropriate storm water features. TAC met 12 times in 2006.	TAC to meet once a month.
	The Technical Advisory Committee (TAC) review and approval of NOIs from private contractors.	As part of updating site review regulations inspection and administration handling will be formalized.	The City will procure a web based asset management software program that contains a storm water module to track administration of NOIs.
	Reduce the total bacteria loads from the MS4 to Little Harbor by 5%	NHDES conducted a TMDL study for bacteria in Little Harbor. Key personnel from the City, along with the Town of Rye, the Town of New Castle, Wentworth-By-the-Sea Marina, Master Association and CLF contributed to the study. Report published August 2006. The City began and completed a sewer system project in the Pleasant Point area. The project involved both City and cooperative funding from benefiting parties.	Begin process of public/private partnership for the sewer extension project in the Walker Bungalow area. Sagamore Ave areas are also included. Money has been budgeted for this project in the FY '08 Capital Plan (July '07 – June '08).

BMP / ID Responsible Party	Measurable Goal	Progress on Goal(s) Permit Year 4	Planned Activity Permit Year 5
2.B. Maximize resources and effectiveness, and coordinate with neighboring communities occupying the same watershed for appropriate and feasible education and out reach. City Hall / DPW	# of meetings and/or coordinated efforts with the Storm Water Coalition.	The City has designated a representative. The Coalition meets quarterly throughout the year. The Coalition coordinated an application for grant money to create a Manual for standard operating procedures for IDDE and good housekeeping. The Manual was approved by the State and produced November 2006. The Manual is also available on the web at www.des.state.nh.us/stormwater/NH_IDDE_SOP.pdf	On-going meetings and attendance. Conduct training against the manual – see 6A below.

3. Illicit Discharge Detection and Elimination

The Permittee must develop, implement and enforce a program to detect and eliminate illicit discharges.

BMP / ID Responsible Party	Measurable Goal	Progress on Goal(s) Permit Year 4	Planned Activity Permit Year 5
3. A. Develop a comprehensive map of the storm drain system. DPW	Percentage of Storm-water system mapped.	Storm-water map/model completed December 2003. Model includes streams, 109 miles of drainage pipe, 105 outfalls, 4,700 catch basins, horizontal location of pipe system and catch basins. The City hired an engineering firm to provide elevations, flow direction, pipe size, material condition and verify land drainage as part of the City's Storm Water Master Plan Project.	Update Storm Water system map with data obtained from contractor. Project completed by Spring 2007. The City will hire consultants to revisit the Long Term Control Plan that will involve both monitoring and modeling of the combined sewer system. Mapping will be updated based on the findings of the study. Data for size and type of pipe and invert information will begin to be collected. Over the course of the next Storm Water permit the data will be compiled and added to the map.

BMP / ID Responsible Party	Measurable Goal	Progress on Goal(s) Permit Year 4	Planned Activity Permit Year 5
3. B. Identify any illicit discharges and eliminate. DPW	Number of illicit discharges detected and/or eliminated.	Qualitative data of 317 outfalls were collected for the purposes of evaluating illicit discharge potential. No illicit discharges were severe enough to warrant the City immediate response (no major sewage, oil or chemical discharges).	The illicit discharge data collected will be used to develop a long term inspection program and will be prioritized to expedite tracing and removal.
		Investigated and resolved ten (10) IDDE complaints either received from residents or the City's Zoning Officer and Health Officer field inspections/observations.	Continue to follow up investigations and enforcement of complaint phone calls and routine patrols.
		City spent $100,000 on a new sewer line inspection truck that incorporates televising and digital recording equipment in a single vehicle.	A *Performance Measure* identified in FY '08 budget (July '07-June '08) includes a goal of inspecting and cleaning a minimum of 15 miles of waste water pipe.
		December 15, 2005 DPW and DES employees combined efforts for a coordinated IDDE survey in the Hodgson Brook watershed for Spring 2006. DPW provide maps and local knowledge of area to target. DES provided employee and sampling methodology. Prior to Spring 2006, DES experienced a shortage of employees. The program was halted but expect to resume in Spring '07	Conduct IDDE survey in Hodgson Brook Watershed. Target area: Panaway Manor, Bartlett Street to Rt 1 by-pass crossing and corner of Corporate St and Rye St.
	Create standard operating procedures for the detection of non-storm-water discharges.	Developed SOPs for detection and elimination via the Seacoast Coalition grant project. City obtained grant money through Seacoast Coalition to develop SOPs. A Manual was created and approved by the State and produced in November 2006. The Manual is also available on the web at www.des.state.nh.us/stormwater/NH_IDDE_SOP.pdf	Subsequent training against these SOPs will be held May through October 2007. See # 6 below.

BMP / ID Responsible Party	Measurable Goal	Progress on Goal(s) Permit Year 4	Planned Activity Permit Year 5
3.C. Establish legal authority for enforcement actions. City Hall	The City to adopt a storm water ordinance that provides enforcement mechanisms and penalties to halt illegal discharges.	Ordinance drafted. DPW and City Hall personnel met Jan '06 - 4th review of the draft. Edits currently being made. As part of the Storm Water Master Plan project, consultants reviewed draft storm water ordinance in conjunction with the site plan review subdivision and general zoning ordinance for compliance with MCM 4 *Construction Site Storm Water Runoff Control* and MCM 5 *Post Construction Storm Water Management in New Development and Redevelopment* and provided feed-back.	Ordinance to go before City Council Fall 2007 for deliberation.

4. CONSTRUCTION SITE STORM WATER RUNOFF CONTROL

The Permittee must develop, implement and enforce a program to reduce pollutants in any storm water runoff to the MS4 from construction activities that result in a land disturbance greater than or equal to 1 acre.

BMP / ID Responsible Party	Measurable Goal	Progress on Goal(s) Permit Year 4	Planned Activity Permit Year 5
4.A. Establish a set of minimum erosion and sediment control (ESC) requirements for construction sites. City Hall / DPW	Require ESC plans for any land disturbance greater than 5,000 square feet. Site Review procedures to include storm water pollution prevention activities. All procedures at the Planning dept to involve storm water activities site review on any level.	As part of the Storm Water Master Plan Project, consultants reviewed Site Review procedures. Recommendations will be included in the final Storm Water Master Plan, completion expected Fall 2007.	Storm Water Master Plan to be completed Fall 2007. Recommendations to be taken into consideration. The Site Review regs are built upon the Zoning ord., which is being worked on. The Planning Board and Planning Dept. will complete review of Zoning ord. Work has already begun on the Site Review regs. Final adoption of updated regs will be completed after adoption of updated Zoning ord.

BMP / ID Responsible Party	Measurable Goal	Progress on Goal(s) Permit Year 4	Planned Activity Permit Year 5
4.A. Establish a set of minimum erosion and sediment control (ESC) requirements for construction sites. City Hall / DPW	Create AutoCAD files, which will detail the standards for erosion control.	Files will be used for in-house design and for dissemination to the public as requested.	AutoCAD files 35% complete – intend to incorporate site review data into AutoCAD files and have complete by the end of 2007 calendar year.
	Enforce new ordinance. # of site inspections for compliance. # of pamphlets created and distributed.	Ordinance under going 4th edit. To be presented to Council Fall '07 for deliberation.	Make presentation to City Council regarding the Storm Water ordinance for deliberation Fall 2007. Create educational pamphlet (or other appropriate mechanism) to be handed out during construction permitting or other like process to ensure contractors and the general public are aware of any new or modified rules.

5. **POST-CONSTRUCTION RUNOFF CONTROL**
The Permittee must develop, implement and enforce a program to address storm water runoff from new development and redevelopment projects that disturb greater than 1 acre and discharge into the municipal system.

BMP / ID Responsible Party	Measurable Goal	Progress on Goal(s) Permit Year 4	Planned Activity Permit Year 5
5. A. Improve the quality of storm water runoff by disconnecting impervious surfaces and installing and maintaining structural storm water controls. DPW	# of structural controls installed.	2004 – 2005 four Vortecnic units installed – two at DPW and two by the South Mill Pond. Crew were trained on proper cleaning procedures 2005. In 2006 they were inspected 2 times. They contained some debris and floatables. They were cleaned of floating debris on top but sediment was not removed – as per parameters described in the maintenance manual.	Continue inspection, maintenance and cleaning of the units. Connect more of the storm water system in the South end to the Vortecnics. Bartlett St. project design to include a storm water treatment unit on sewer separation project.

BMP / ID Responsible Party	Measurable Goal	Progress on Goal(s) Permit Year 4	Planned Activity Permit Year 5
5. A. Reduce the volume/improve the quality of storm water runoff by disconnecting impervious surfaces and installing/maintaining structural storm water controls. DPW	# of conventional BMPs, such as swales and retention ponds, low impact development (LID) designs and manufactured BMPs such as filtration and infiltration units and hydrodynamic seperators.	Installed 12 catch basins with deep sump and traps to capture grit and floatable pollutants on lower Court St project.	New Castle Avenue construction project to include deep sumps.
		Installed 8 catch basisns with deep sumps and traps on Lincoln /Elwyn Ave project (aka Contract II)	Rt 33 project in design stage – to include storm water treatment in the project/upgrade.

6. Good Housekeeping

The Permittee must develop and implement a program with a goal of preventing and/or reducing pollutant runoff from municipal operations. The program must include an employee training component, including, at a minimum, maintenance activities for parks and open space, fleet and building maintenance, new construction roadway drainage and storm water system maintenance. During the implementation of the storm water management program, the Permittee must address recharge and infiltration for the minimum control measures as well as reasons for not implementing.

BMP / ID Responsible Party	Measurable Goal	Progress on Goal(s) Permit Year 4	Planned Activity Permit Year 5
6. A. Reduce the amount of nutrients and sediments entering receiving waters through education of municipal employees about spill prevention and control, vehicle washing, lawn activities, etc. DPW	Create and publish a Manual for NH communities to standardize best management practices and procedures for IDDE, pollution prevention and good housekeeping. Train storm water managers and labor force against these standards.	The City of Portsmouth/Seacoast Coalition obtained state grant money to fund the development of BMPs and SOPs best suited NH communities in meeting the IDDE, pollution prevention and good housekeeping requirements. Procedures developed. Numerous meetings held b/w the Seacoast Coalition reps as well as workforce providing input to improve the Manual in application and practicality. The Manual was approved by the State and produced November 2006. The Manual is available on the web: www.des.state.nh.us/stormwater/NH_IDDE_SOP.pdf	Training to be conducted to meet these standard operating procedures: IDDE Workshop scheduled 5/1 and 24/2007 Pollution Prevention and Good Housekeeping training 7 sessions scheduled between May and October 2007.

BMP / ID Responsible Party	Measurable Goal	Progress on Goal(s) Permit Year 4	Planned Activity Permit Year 5
6. A. Reduce the amount of nutrients and sediments entering receiving waters through education of municipal employees about spill prevention and control, vehicle washing, lawn activities, etc. DPW	Number of in-house training sessions held and number of attendees.	8/8-10/2006 Camera truck (Sewer/Storm Water Systems Inspection) training 7/18/06 SWANA training attended re: Disaster Debris Management 6/6/06 Supervisory Review Workshop of Storm Water SOP Manual 5/9/06 NH DES & DOT workshop, First Annual Regional Storm Water Meeting. 4/27/06 In-house review with key employees regarding storm water annual report and assigned responsibilities. 1/06 Storm Water Utility training with NEWEA	IDDE work shop scheduled 5/1 & 24/2007 7 workshops regarding P2 & Good Housekeeping scheduled b/w May and Oct 2007.
6. B. Reduce the amount of nutrients and sediments entering receiving waters through mechanical and operational means.	Storm/Sanitary Sewer Separation Quantify separation of sewers.	Began contract II, Lincoln Ave contract to pipe work completed.	Begin design for Miller Ave sewer separation.
		Bartlett St. intersection sewer separation designed.	Procure easement rights to begin construction.
		Eliminated CSO/raw sewage discharge on Marcy St.	
	Upgrades to Sewage Pump Stations	Increased pumping and treatment of sewage Improvements include: ♦ Deer St up-grades began ♦ Rye line pump station in design completed.	• Finish Deer Street • Begin Rye line • Mechanic St pump station control up grades to improve reliability.

BMP / ID Responsible Party	Measurable Goal	Progress on Goal(s) Permit Year 4	Planned Activity Permit Year 5
6. B. Reduce the amount of nutrients and sediments entering receiving waters through mechanical and operational means.	City to identify critical catch basins and frequency for cleaning.	The City hired consultants to develop a Strom Water Master Plan. Part of the project included developing an Ops & Maintenance Plan.	The City's Master Plan includes the purchase of a second Vactor truck, which will allow more frequent storm drain cleaning. Based on field observations and conditions of the storm water system a list of identified critical basins for regular cleaning will be developed and every basin will be cleaned within a 5-year cycle.
	Miles of City streets swept.	Daily street sweeping of areas identified as significant litter/pollution areas. 6 days /week street sweeping of the business/tourist district commencing in the Spring through the Fall. Once a year, after Winter ops concluded, the following identified neighborhoods are swept: Maplehaven, South end, Jones Ave, Dennet St., Middle St., Borthwick Ave, Woodbury Ave, Panaway Area, the Heights, Essex Ave area, Elwyn Park.	Continue street sweeping.
	Reduce the amount of salt/sand being used in the winter to the minimum necessary amount.	The City eliminated the use of sand in 2005. The City determined the amount of salt/sand used over the past 4 calendar years.	Collect data for analyses on rain/snow fall amounts in relation to salt used. City to review current practices, research alternate operational measures and make improvements to program to optimize the salting program.

BMP / ID Responsible Party	Measurable Goal	Progress on Goal(s) Permit Year 4	Planned Activity Permit Year 5
6. B. Reduce the amount of nutrients and sediments entering receiving waters through mechanical and operational means.	# Signs posted and/or educational material throughout City encouraging dog owners to pick up animal waste	A total of 50 signs are posted throughout the City, at every play ground, ball field, park and walking path in the City. 2 Bio-degradable doggie bags dispensers, one each located at Pierce Island and Goodwin Park, to facilitate dog owners walking their dog to pick up their pet's waste. A bio-degradable doggie bag dispenser and trash receptacle is located at the dog park.	Post educational signs (about picking up pet waste) at Pierce Island and Goodwin Park to compliment the dog waste bag dispensers. Distribute educational material about pet waste storm water pollution to dog owners registering their dogs. Improvements to be made to the dog park: regrading of the existing surface; new rounded stone surface; removal of dead trees all will provide a more efficient pervious surface. Rain water and snow melt will sheet flow to a grassy area adjacent to the dog park for natural filtration.
	Implement BMPs at snow disposal collection site.	Winter 2004/2005 a site was designated for temporary storage of snow pursuant to the snow removal ops. The area is enclosed with silt fence; disposed snow is stored at least 25' from high water mark; debris in snow storage area to be cleared prior to snow storage; all subsequent debris accumulated in snow storage area cleaned from site and properly disposed of no later than May 15th. There are no wells at the snow storage collection site.	Continue maintaining the site and using for snow disposal.

BMP / ID Responsible Party	Measurable Goal	Progress on Goal(s) Permit Year 4	Planned Activity Permit Year 5
6. B. Reduce the amount of nutrients and sediments entering receiving waters through mechanical and operational means.	City to incorporate storm water treatment units in long term control plan/separation project.	Design of Bartlett Street project complete. Design included storm water treatment unit and deep sump catch basins.	Begin construction on Bartlett St project.
	Number of activities the DPW coordinates or conducts to clean up public lands of debris around sensitive watersheds.	Coordinated with the Blue Ocean Society to clean litter on Pierce Island. On September 9, 2006, 36 volunteers organized and took part in cleaning up over 530 pounds of debris on Pierce Island. Life Share Community clean-up project at South Mill Pond: June 5, 2006 July 6 and 31, 2006 August 30, 2006 September 25, 2006 October 23, 2006 November 20, 2006	Continue to support initiatives.
6. C. Reduce the amount of hazardous waste being disposed of inappropriately through programs/services, education of municipal employees and local residents.	**i.** The number of household hazardous waste collection events and the volume (i.e gallons) of household hazardous waste disposed (in accord with hazardous waste regs and diverted from the landfill).	Events held May '06 & October '06 – 177 cars and 165 cars, respectively, attended event(s) and 12,813 gals of hazwaste collected.	Two Household Hazardous Waste Collections scheduled for 2007.